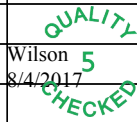


<b>Flight Procedure Tracking Form</b>		<b>Action:</b> FLIGHT CHECK	<b>Task Type:</b> IAP	<b>Date Open:</b> 04/03/2015	<b>Task #:</b> 2015040328633301005	<b>Request #:</b> 20150403286333
<b>Procedure:</b> RNAV (RNP) Z RWY 1L AMDT 1C			<b>Airport ID:</b> KMCI	<b>Airport:</b> KANSAS CITY INTL		<b>Reimbursable #:</b> NO
<b>City:</b> KANSAS CITY	<b>ST:</b> MO	<b>GPS #:</b>	<b>Estimated Chart Date:</b> 12/07/2017		<b>FICO #:</b>	
<b>Fac ID:</b> N/A		<b>Fac. Type:</b>			<b>Specialist:</b> LUCAS MCCLOUD	
<b>Procedure Review</b>						
	<b>Rec'd</b>	<b>Rel'd</b>	<b>Full Name</b>	<b>Comments</b>		
<b>Lead:</b>	10/31/2016		 Wilson 8/4/2017			
<b>QA:</b>						
<b>Liaison:</b>						
<b>Procedure Comments:</b>			ENROUTE-NON	<b>Remark Type:</b> INFORMATION		
ABBREVIATED AMENDMENT  CONTACT: ROBERT HAMILTON 405-954-4608; AJV-5422 POC						

EXISTING


KANSAS CITY, MISSOURI

AL-780 (FAA)

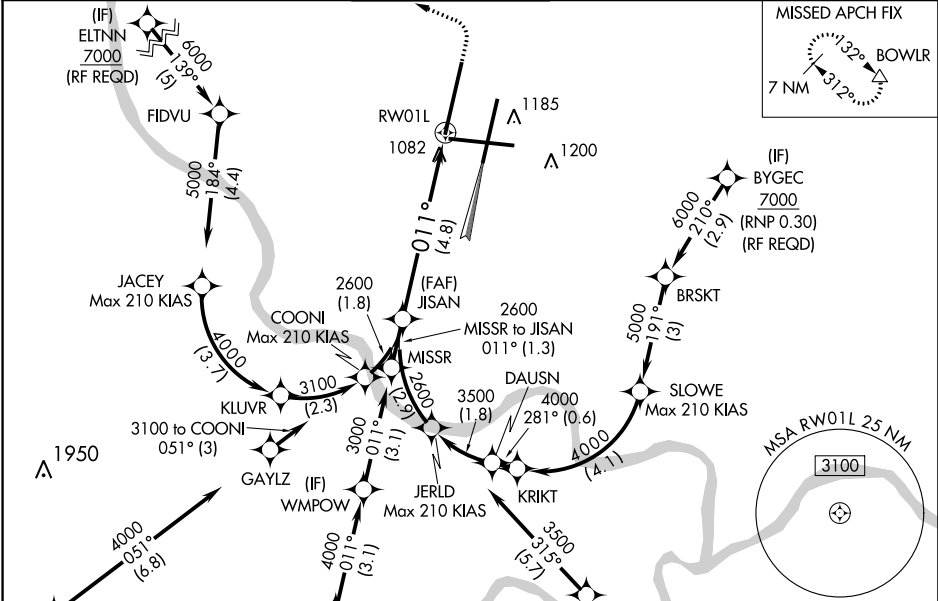
17173

APP CRS	Rwy Idg	10801
011°	TDZE	1011
	Apt Elev	1026

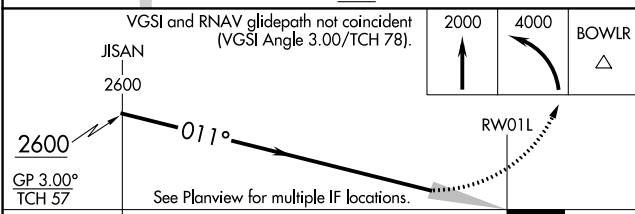
RNAV (RNP) Z RWY 1L  
KANSAS CITY INTL (MCI)

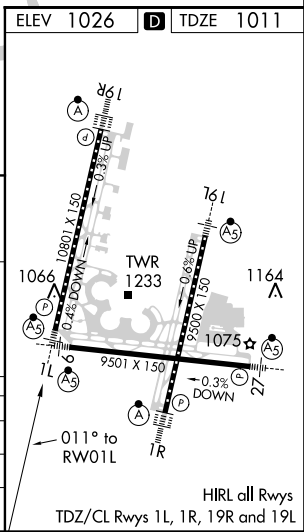
<p>For uncompensated Baro-VNAV systems, procedure NA below -20°C (-4°F) or above 54°C (130°F). For inop MALSR, increase RNP 0.15 visibility to RVR 4500, and RNP 0.30 visibility to 1½ miles. Simultaneous approach authorized with Rwy 1R, except for arrivals at BYGEC, COOKD, BAUNR and ELTNN. Use of FD or AP providing RNAV track guidance required during simultaneous operations. GPS required.</p>	<p>MALSR</p> 	<p>MISSED APPROACH: Climb to 2000 then climbing left turn to 4000 direct BOWLR and hold.</p>
--	--	--

D-ATIS 128.375	KANSAS CITY APP CON 120.95 318.1	INTERNATIONAL TOWER 128.2 254.25	GND CON 121.8	CLNC DEL 135.7	CPDLC
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RADAR REQUIRED

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 78).			
			
GP 3.00° TCH 57			
See Planview for multiple IF locations.			
4.8 NM			
CATEGORY	A	B	C
RNP 0.15 DA		1299/24	288 (300-½)
RNP 0.30 DA		1359/32	348 (400-¾)
AUTHORIZATION REQUIRED			



KANSAS CITY, MISSOURI  
Amdt 1B 21AUG14

39°18'N-94°43'W

KANSAS CITY INTL (MCI)  
RNAV (RNP) Z RWY 1L

NC-3, 22 JUN 2017 to 20 JUL 2017

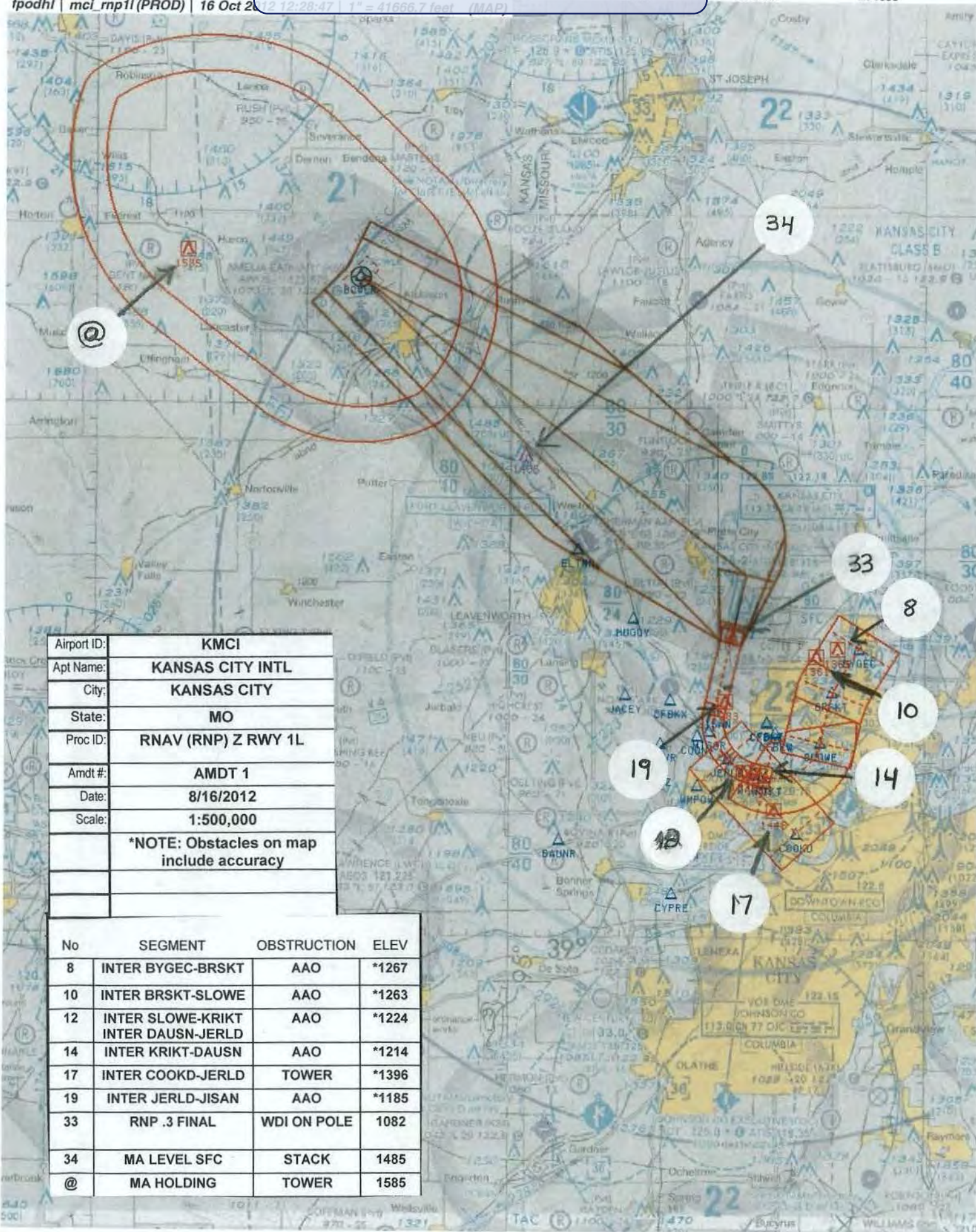
NC-3, 22 JUN 2017 to 20 JUL 2017



# INFORMATION ONLY

NM 7 42000 84000  
ftpdhl | mci\_rnp11 (PROD) | 16 Oct 2012 12:28:47 | 1" = 41666.7 feet (MAP)

42 49  
252000 294000





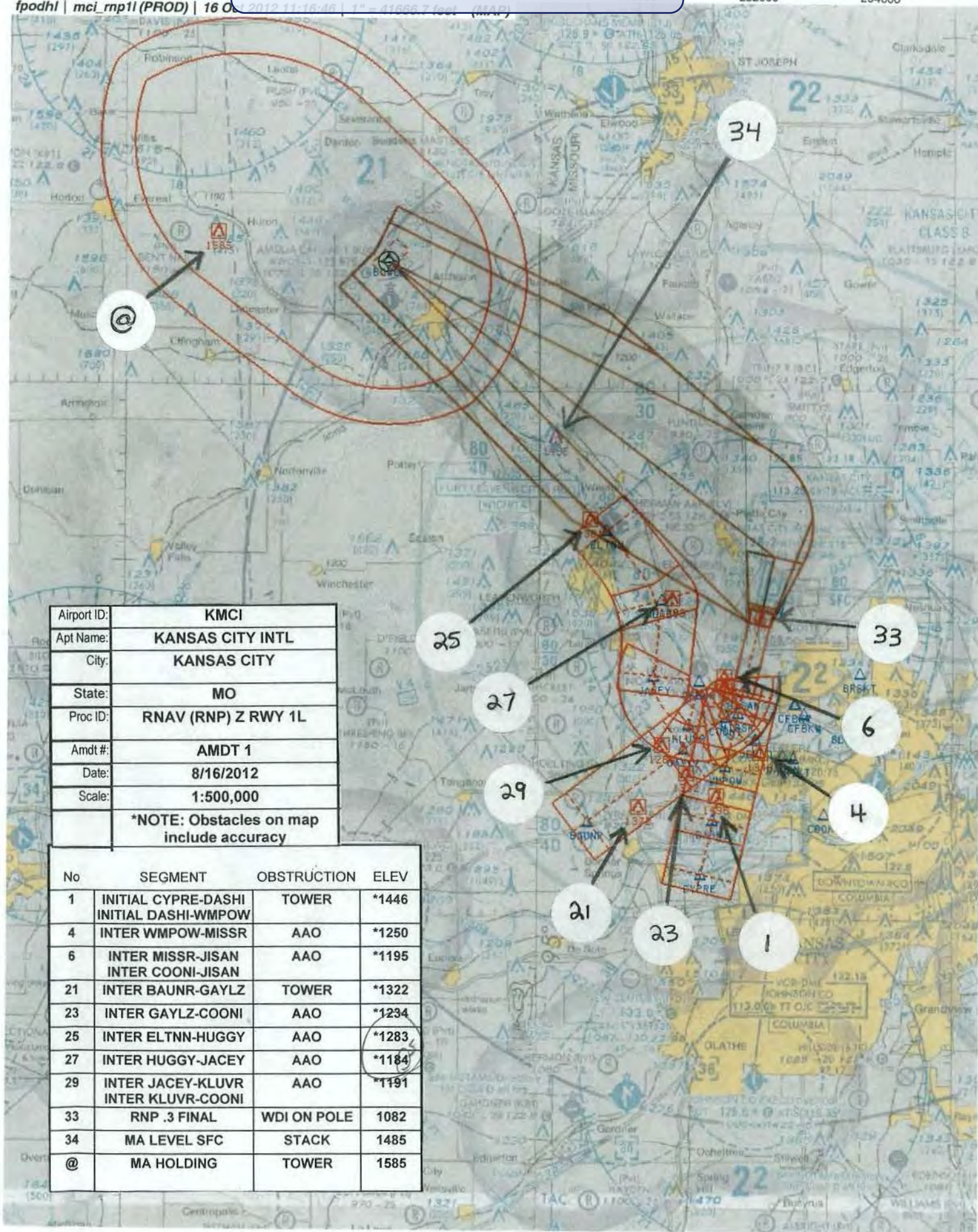
# INFORMATION ONLY

NM 7 42000 42 49  
FT 252000 294000

fpodhl | mci\_rnp11 (PROD) | 16 Oct 2012 11:16:46 | 1° = 41666.7 feet (MAD)

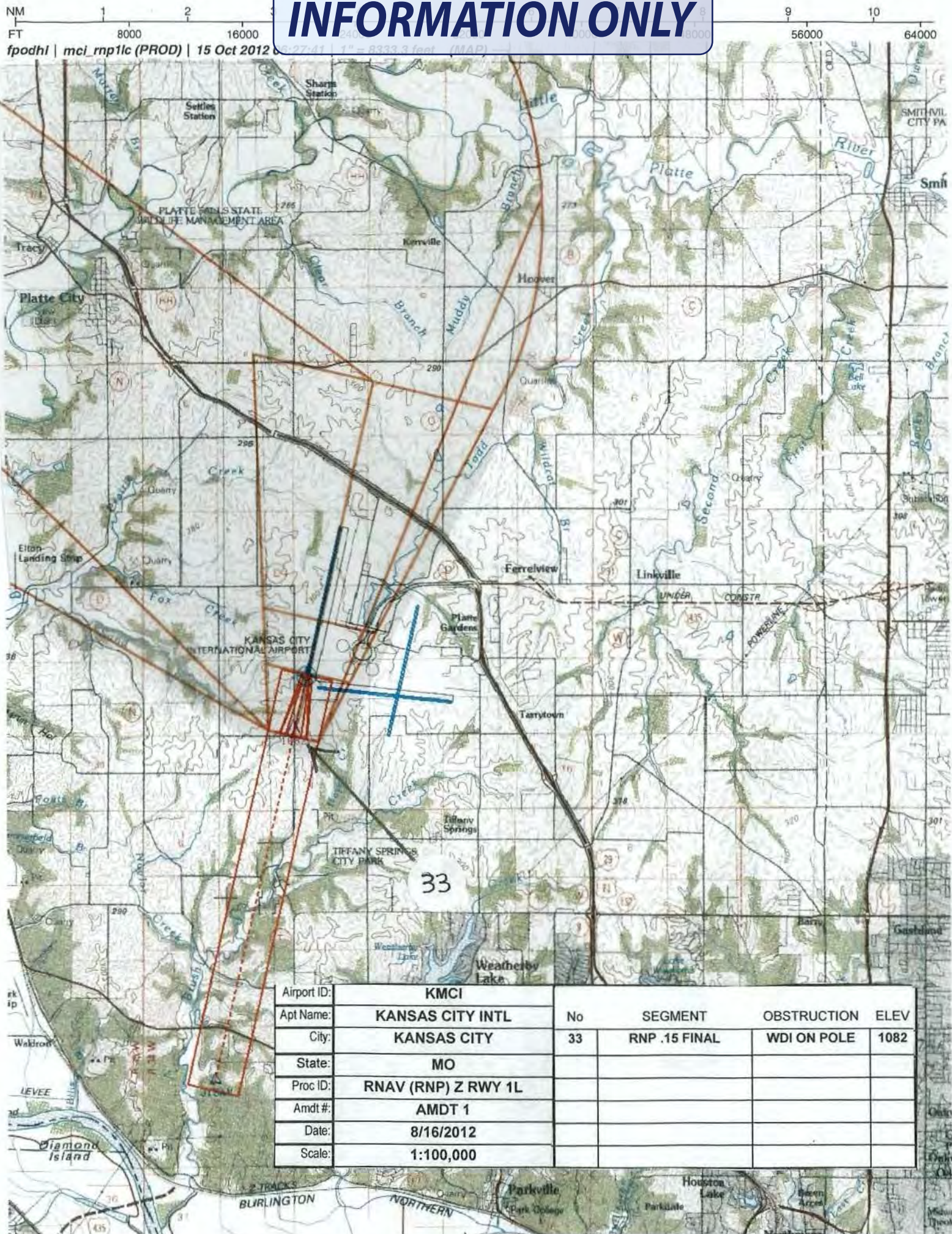
Airport ID:	KMCI
Apt Name:	KANSAS CITY INTL
City:	KANSAS CITY
State:	MO
Proc ID:	RNAV (RNP) Z RWY 1L
Amdt #:	AMD 1
Date:	8/16/2012
Scale:	1:500,000
	*NOTE: Obstacles on map include accuracy

No	SEGMENT	OBSTRUCTION	ELEV
1	INITIAL CYPRE-DASHI	TOWER	*1446
4	INTER WMPow-MISSR	AAO	*1250
6	INTER MISSR-JISAN	AAO	*1195
21	INTER BAUNR-GAYLZ	TOWER	*1322
23	INTER GAYLZ-COONI	AAO	*1234
25	INTER ELTNN-HUGGY	AAO	*1283
27	INTER HUGGY-JACEY	AAO	*1184
29	INTER JACEY-KLUVR	AAO	*1191
33	RNP .3 FINAL	WDI ON POLE	1082
34	MA LEVEL SFC	STACK	1485
@	MA HOLDING	TOWER	1585





# INFORMATION ONLY



Airport ID:	KMCI	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	KANSAS CITY INTL	33	RNP .15 FINAL	WDI ON POLE	1082
City:	KANSAS CITY				
State:	MO				
Proc ID:	RNAV (RNP) Z RWY 1L				
Amdt #:	AMDT 1				
Date:	8/16/2012				
Scale:	1:100,000				

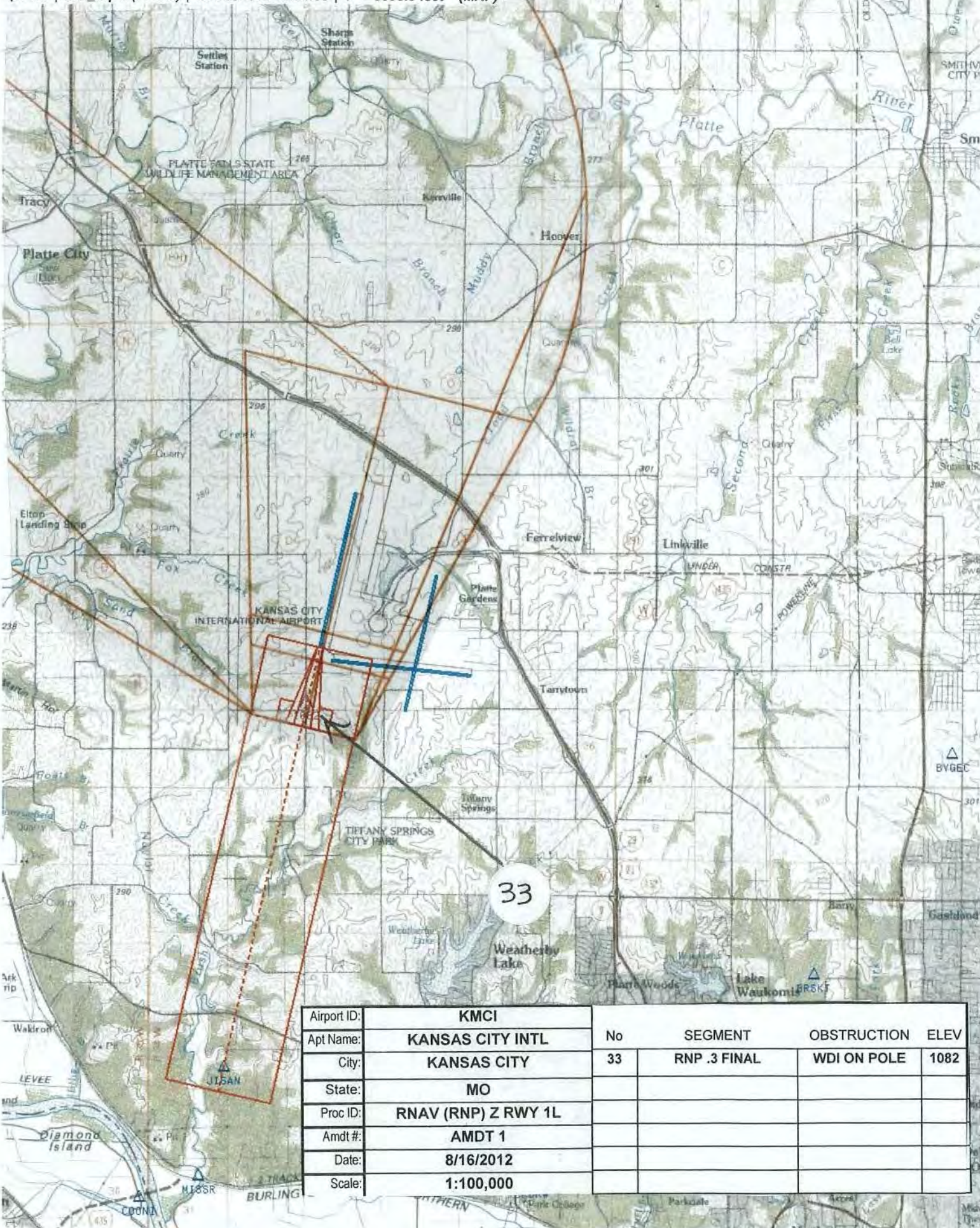


# INFORMATION ONLY

NM 1 2 3 9 10  
FT 8000 16000 56000 64000

fpodhl | mcl\_rnp11 (PROD) | 15 Oct 2012 06:24:50

1" = 8333.3 feet (MAP)



Airport ID:	KMCI	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	KANSAS CITY INTL	33	RNP .3 FINAL	WDI ON POLE	1082
City:	KANSAS CITY				
State:	MO				
Proc ID:	RNAV (RNP) Z RWY 1L				
Amdt #:	AMDT 1				
Date:	8/16/2012				
Scale:	1:100,000				



NM  
FT

1  
6000

# INFORMATION ONLY

6  
36000

7  
42000

fpodh | mci\_rnp11 (PROD) | 16 Oct 2012 14:56:45 | 1" = 5900.1 feet (MAP)

Note: S.I. Sag MISSR  
to JISAN mon 11/9  
down to 1.0 RLP.  
IT does take  
in 1293' obs

Point  
abscam  
obs for  
VER  
= 28336.18  
- 250/AIC  
28086.18  
from  
Don  
for  
VER

△  
CFBKX

△  
1293

△  
1289

△  
JISAN

△  
1283

△  
MISSR

△  
COONI

△  
KLUVR

△  
GAYLZ

△  
CFBKV

△  
CFBKW

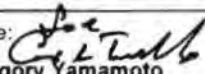
△  
JERLD

△  
DAUSN

△  
KRIKT

△  
JERLD

# INFORMATION ONLY

US Department of Transportation Federal Aviation Administration		FLIGHT PROCEDURES STANDARDS WAIVER		FLIGHT STANDARDS USE ONLY	
				CONTROL NO:	
1. Flight Procedure Identification: KANSAS CITY, MO (MCI) KANSAS CITY INTL RNAV (RNP) Z RWY 1L					
2. Waiver Required and Applicable Standard: INTERMEDIATE RF SEGMENT WAIVER REQUIRED TO AFS-400 MEMORANDUM DATED OCT 3, 2011, I.B. RF RULE: CALCULATED RF BANK ANGLE BASED ON THE DESIGN RADIUS NOT TO EXCEED 25 DEGREES (20 DEGREES FOR RNP/ATT VALUES LESS THAN 1.0).					
3. Reason for Waiver (Justification for nonstandard treatment): BANK ANGLES IN EXCESS OF 20 DEGREES IN INTERMEDIATE SEGMENTS WITH RNP VALUES LESS THAN 1.0 USED IN PROCEDURE DEVELOPMENT TO AVOID OBSTACLES OR TERRAIN AND TO KEEP ATC/USER REQUESTED TRACKS: SEGMENT DAUSN TO JERLD 20.33 DEGREES.					
4. Equivalent Level of Safety Provided: 1. PROCEDURE IS AUTHORIZATION REQUIRED (AR). 2. RF INTERMEDIATE SEGMENTS WERE SATISFACTORILY EVALUATED FOR OBSTACLES BASED ON AN RNP VALUE OF 1.00.					
5. How Relocation or Additional Facilities Will Affect Waiver Requirement: N/A - RNAV PROCEDURE					
6. Coordination With User Organizations (Specify): AJV-353: <u>Jmo</u>					
7. SUBMITTED BY					
DATE: DEC 07 2012	Office Identification: AJV-35	Title: Manager, Terminal Products Group	Signature:  Gregory Yamamoto		



# INFORMATION ONLY

8260.24C Category I ILS Threshold Crossing Height, Para 7a

## 8. CONTINUATION

Comments:

## 9. AFS ACTION



Approved

Disapproved

Not Required

Comments:

Approved Based on the Equivalent Level of Safety in Block 4.

Date:

Routing Symbol:

Signature:

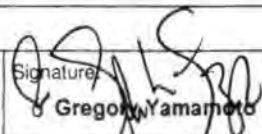
**Robert Ruiz**

Signed By: Robert Ruiz  
Thu Feb 21 2013 11:28:23 GMT-0500 (Eastern Standard Time)

**SIGN HERE**



# INFORMATION ONLY

US Department of Transportation Federal Aviation Administration		FLIGHT PROCEDURES STANDARDS WAIVER		FLIGHT STANDARDS USE ONLY	
				CONTROL NO:	
1. Flight Procedure Identification: KANSAS CITY, MO (MCI) KANSAS CITY INTL RNAV (RNP) Z RWY 1L					
2. Waiver Required and Applicable Standard: INTERMEDIATE SEGMENT WAIVER REQUIRED TO 8260.52 PARA 2.4 & TABLE 2-1. RULE: INTERMEDIATE SEGMENT DESCENT GRADIENT SHALL NOT EXCEED MAXIMUM ALLOWABLE.					
3. Reason for Waiver ( <i>Justification for nonstandard treatment</i> ): DESCENT GRADIENT IN INTERMEDIATE SEGMENT GREATER THAN THE MAXIMUM ALLOWED. WITHIN A ROUTE CONTAINING MULTIPLE INTERMEDIATE SEGMENTS, THREE SEGMENT EXCEEDS 318 FT/NM:  ROUTE FROM BYGEC: SEGMENT DESCENT GRADIENT BYGEC TO BRSKT 341.3 FT/NM, BRSKT TO SLOWE 339.0 FT/NM. OVERALL BYGEC TO PFAF 287.6 FT/NM.  ROUTE FROM ELTNN: SEGMENT DESCENT GRADIENT KLUVR TO COONI 400 FT/NM. OVERALL ELTNN TO PFAF 257.6 FT/NM.  ALL ALTITUDES AND FIX LOCATIONS IN SEGMENTS CAUSING EXCESSIVE DESCENT GRADIENTS ARE AT USER/ATC REQUEST.					
4. Equivalent Level of Safety Provided: 1. AUTHORIZATION REQUIRED FOR THIS PROCEDURE. 2. DESCENT OF COMBINED INTERMEDIATE SEGMENTS ALONG ROUTE FROM THE BEGINNING ALTITUDE TO THE PFAF ALTITUDE IS LESS THAN 318 FT/NM AT 278.6FT/NM COMBINED MAX. 3. PROCEDURE VALIDATED IN SIMULATOR WITH SATISFACTORY RESULTS.					
5. How Relocation or Additional Facilities Will Affect Waiver Requirement: N/A - RNAV PROCEDURE					
6. Coordination With User Organizations ( <i>Specify</i> ): AJV-353: <u>JMO</u>					
7. SUBMITTED BY					
DATE: JAN 23 2013	Office Identification: AJV-35	Title: Manager, Terminal Products Group	Signature:  Gregory Yamamoto		



# INFORMATION ONLY

8260.24C Category I ILS Threshold crossing Height, Para 7a.

## 8. CONTINUATION

Comments:

## 9. AFS ACTION



Approved

Disapproved

Not Required

Comments:

Approved Based on the Equivalent Level of Safety in Block 4.

Date:

Routing Symbol:

Signature:

**Robert Ruiz**

Signed By: Robert Ruiz  
Thu Feb 21 2013 11:28:32 GMT-0500 (Eastern Standard Time)

**SIGN HERE**



# INFORMATION ONLY

RG

FLIGHT INSPECTION PROCEDURE CONTROL FORM							
PROCEDURE: RNAV (RNP) Z RWY 1L 1.00			AIRPORT NAME: KANSAS CITY INTL		AIRPORT ID: KMCI	SPECIAL CONTROL NO: OP-11-83-12	
CITY: KANSAS CITY					ST: MO	ORIG CHART DATE: 03/07/13	
FAC ID: KMCI01L.01Z	DFL TYPE: PROC/P	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.0		REIMB. NUMBER:		
PREFLIGHT NOTES							
REVIEWER:					DATE:		
COMMENTS:		ASSOCIATED FACILITIES:		CHECK ONE: <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NRCR <input type="checkbox"/> REJECT			
						YES	NO
				VIDEO MAP REQUIRED?			X
				ESV(S) ATTACHED?			X
				GROUND MAINTENANCE?			X
ARINC CODING 424?			X				
POST FLIGHT							
INSPECTION DATE: 12/4/2012	CREW #: VN218	N #: 54	CHECK ONE: <input type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input checked="" type="checkbox"/> SAT / GOLD <input type="checkbox"/> UNSAT			NOTAM ISSUED? <input type="checkbox"/> YES	
FLIGHT INSPECTOR SIGNATURE: <i>Anthony D. Vullera</i>					PRINTED NAME: Anthony D. Vullera		
FLIGHT INSPECTOR REMARKS:							

E-MAILED DEC 05 2012

VN 8200-5-1

12/04/2012 22:48

2146303446

EMB SUITES DALLAS MC

PAGE 02/05



# TERMINAL INFORMATION ONLY

CITY: **KANSAS CITY**

STATE: **MO**

AIRPORT NAME: **KANSAS CITY INTL**

ID: **KMCI**

PROCEDURE: **RNAV (RNP) Z RWY 1L**

AMDT: **1**

DOCKET#: **NOT REQUIRED**

(96-AXX-X/Required/Not Required)

**ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.**

1. Distance from THLD to 1000' point 2.92  
(Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of FINAL segment at 1000' point 1.20  
(Enter appropriate segment, final, intermediate, etc.)
3. True Course of FINAL segment containing 1000' point 012.92
4. High Terrain in FINAL segment containing 1000' point 1027
5. Distance from THLD to 1500' point 4.49  
(If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of FINAL segment at 1500' point 1.20
7. True Course of FINAL segment containing 1500' point 012.92
8. High Terrain in FINAL segment containing 1500' point 1027
9. Threshold Coordinates (if straight-in) ... 391736.01N / 0944345.54W
10. ARP Coordinates ..... 391751.38N / 0944250.06W
11. Runway Approach End and distance furthest from ARP ..... RWY 19R  
Distance 1.51 NM
12. FAF Coordinates ..... 391254.56N / 0944508.60W

**REMARKS: Approach/Drawing attached.**